



# Health & Natural Sciences Majors at UWB



Side-by-side comparisons of different majors that have similar courses, qualities, or career options. Majors are not listed in any particular order.

## BIOLOGY

### What is it?

The Bachelor of Science in Biology degree provides students with a foundation that will enable them to pursue careers or graduate study in medicine, dentistry, health professions, pharmaceuticals, biotechnology, ecology, biology, and biology education.

### What will I study?

The curriculum combines theory with hands-on experience that draws on the University of Washington Bothell's strengths: small classes; strong faculty-student mentorship; integrative, problem-based teaching approaches; and research and internship opportunities outside the classroom.

### What are the prerequisites?

General Chemistry I  
General Chemistry II  
General Chemistry III  
Intro to Biology I  
Intro to Biology II  
Intro to Biology III

### Where can I learn more?

[uwb.edu/biological-sciences](http://uwb.edu/biological-sciences)

## CHEMISTRY

### What is it?

All of life is made of atoms and molecules. UW Bothell chemists explore the atomic and molecular nature of the world in order to understand life and the universe, our impacts on the environment, and how to make the world better. The Chemistry program includes a Bachelor of Science, Bachelor of Science with a biochemistry option, and a Bachelor of Arts.

### What will I study?

These degrees enable students to pursue careers in STEM fields including biotechnology, education, medicine, and pharmaceuticals.

### What are the prerequisites?

General Chemistry I  
General Chemistry II  
General Chemistry III  
Organic Chemistry I  
Calculus I  
Calculus II  
Calculus III

### Where can I learn more?

[uwb.edu/chemistry](http://uwb.edu/chemistry)

## CONSERVATION & RESTORATION SCIENCE

### What is it?

Bachelor of Science in Conservation and Restoration Science prepares students to address environmental challenges facing the world today. Conservation and Restoration Science students develop the depth of scientific understanding, interdisciplinary perspectives, and creative problem-solving skills needed to design and bring about solutions to these problems at local, regional, and global scales.

### What will I study?

Through community-based projects ranging from wetlands restoration and conservation planning to analyses of regional air and water pollution, students gain practical experience and make a positive difference while they are still in school.

### What are the prerequisites?

General Chemistry I  
Calc I or Calc for the Life and Social Sciences  
Intro to Environmental Issues  
Intro Statistics Course  
Composition  
Research Writing  
10 credits in VLPA Area Of Knowledge  
5 credits in I&S Area Of Knowledge

### Where can I learn more?

[uwb.edu/conservation-restoration-science](http://uwb.edu/conservation-restoration-science)



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## EARTH SYSTEM SCIENCES

### What is it?

Earth System Science (ESS) applies systems thinking and multiple science disciplines, including the classic fields of Geology, Oceanography, Atmospheric Science, and Environmental Science, to understanding complex phenomena in Earth's physical systems.

### What will I study?

Educational and research programs that take this unified approach emphasize the processes and interactions within the Earth system and the connections between natural and human systems.

### What are the prerequisites?

General Chemistry I or Intro to Physics  
10 credits Earth System Science (ESS) Course  
10 credits in VLPA Area Of Knowledge  
10 credits in I&S Area Of Knowledge  
Composition

### Where can I learn more?

[uwb.edu/earth-system-science](http://uwb.edu/earth-system-science)

## HEALTH STUDIES

### What is it?

Students will develop and apply a range of skills for public health practice, grow as public health leaders, and prepare to collaborate with communities to improve the health of individuals and global populations. The Health Studies program has a strong focus on health equity and encourages students to put their learning directly into practice by working with health organizations to support our most vulnerable communities.

### What will I study?

Students explore both the social and biological predictors of health by evaluating health research, using health education strategies to communicate information to diverse groups, and applying social justice critiques with both a local and global lens. Health Studies students have the opportunity to take health-related electives offered by a variety of UWB programs, providing an interdisciplinary approach to studying health. Courses in the major can be applied to a wide range of careers, such as working in direct patient care, becoming an epidemiologist or studying infectious disease, and pursuing positions in community health, health administration, health education, and environmental health.

### What are the prerequisites?

Composition  
Research Writing  
10 credits in each Area Of Knowledge QUANTITATIVE SKILLS course (QSR) -stats recommended

### Where can I learn more?

[uwb.edu/healthstudies](http://uwb.edu/healthstudies)